



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
215 NORTH 17TH STREET
OMAHA, NEBRASKA 68102-4978

March 9, 1994

REPLY TO
ATTENTION OF

Environmental Branch

Mr. Brad Bradley
U.S. Environmental Protection Agency
Region V
77 West Jackson
Chicago, Illinois 60604

Dear Mr. Bradley:

A conference call was held today with Mr. Jude Hobza, the Ft. Crook Area office, and OHM Corporation to discuss stabilization costs at NL Industries/Tara Corp. Site. The following plan of action has been decided and provided to you for information and concurrence.

The U.S. Army Corps of Engineers shall determine an estimated quantity of remaining hazardous material accompanied by a synopsis of how this quantity was determined.

OHM Corporation shall develop a pad for secondary containment at the stabilization site to carry static and dynamic loads and meet state Applicable or Relevant and Appropriate Requirements. Calculations, plan view and cross-section shall be provided in draft form to the U.S. Army Corps of Engineers for review. This system shall not be double lined, with the exception of the hazardous material stockpile area.

The tentative plan for the secondary containment pad for all areas, with the exception of the hazardous material stockpile area, is 40 millimeter HDPE liner with eight ounce nonwoven geotextile covered by a layer of CA-6. Calculations shall be provided to show that the 40 millimeter HDPE will not be punctured. The hazardous material stockpile area pad is tentatively planned to be a 40 millimeter HDPE liner with eight ounce nonwoven geotextile covered by a layer of CA-6. To protect the CA-6 from the stockpile of hazardous material and movement of material to the pugmill, the CA-6 shall be covered by a impermeable material protected by planks or steel plates and in a manner to allow collection of water. This will, hopefully, keep the CA-6 in the hazardous stockpile areas from being contaminated at the completion of stabilization. A cost comparison shall also be made not to line the CA-6 in the hazardous storage areas, but to transport and dispose the CA-6 in this area as contaminated hazardous material.



This information shall be reviewed by the U.S. Army Corps of Engineers prior to submittal to the State of Illinois Resource Conservation and Recovery Act review.

A unit cost will then be provided based on the quantity developed by the U.S. Army Corps of Engineers and all activities required for stabilization. This unit price shall be broken down into:

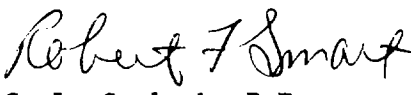
- a. Excavate and haul to stabilization area.
- b. Stabilize and stockpile at stabilization site, site preparation, and site teardown.
- c. Transport stabilized material off stabilization site to disposal site.
- d. Disposal cost of stabilized material.

A unit cost will also be provided based on the quantity developed by the U.S. Army Corps of Engineers, and direct excavation and disposal of hazardous material. This unit price shall be broken down into:

- a. excavate and load.
- b. transport hazardous material.
- c. dispose hazardous material.

If you have any questions concerning this correspondence, please contact Mr. Jude Hobza at (402) 221-7767.

Sincerely,


S. L. Carlock, P.E.
Chief, Environmental Branch
Engineering Division